



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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Prozap® Fly-Die Equine Spray

Revision 0
Revision date 2018-10-11

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Prozap® Fly-Die Equine Spray
Product code	1776520, 1777520

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Liquid insecticide.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	Chem-Tech Ltd. 1006 Business Highway 5 Pleasantville, IA 50225 U.S.A.
Hotline(s):	Chem-Tech Ltd. is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Aquatic Chronic 3: H412;
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2.2. Label elements

Hazard Statement	Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P273 - Avoid release to the environment.
Precautionary Statement: Disposal	Follow label instructions P501 - Dispose of contents/container to an approved waste disposal facility in accordance with

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2.2. Label elements

local and national regulations.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Piperonyl butoxide		51-03-6	200-076-7		0 - 0.5%	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Citronella oil		8000-29-1			0 - 0.5%	Flam. Liq. 4: H227; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335; Aquatic Acute 3: H402;
Pyrethrins (Pyrethrum)		8003-34-7			0 - 0.5%	Acute Tox. 4: H302+H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Permethrin (ISO)	613-058-00-2	52645-53-1	258-067-9		0 - 0.5%	Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

Further information

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. DO NOT DRINK WATER. Do not administer anything by mouth.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes. Do not allow runoff water to enter sewers or drains.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of any water-proof material.

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6.2. Environmental precautions

Aqueous solution. Do not let product contaminate subsoil.

6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean area thoroughly with detergent.

6.4. Reference to other sections

See section 2, 8, and 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Ensure adequate ventilation of the working area. All handlers (including applicators) must wear long-sleeved shirt and long pants, and shoes plus socks. Wear suitable gloves. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and animal feed and/ or feed products. Keep away from sources of ignition - No smoking. Keep only in the original container in a cool, well-ventilated place away from children and pets.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit Values

Pyrethrins (Pyrethrum)	ACGIH TLV TWA: 5 mg/m ³	ACGIH TLV STEL: -
	Notations: A4	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 5	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

8.2. Exposure controls



Appropriate engineering controls

Ensure adequate ventilation of the working area.

Eye / face protection

Not normally required. Use as appropriate:. Suitable eye protection.

Skin protection - Hand protection

Wear:. Chemical resistant gloves. Wash hands after handling the product.

Respiratory protection

Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls

Keep away from food, drink and animal feed and/ or feed products.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear/Light yellow
Odor	Aromatic
Odour threshold	No data available
pH	6 - 7
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	> 93.3 °C
Evaporation rate	No data available
Flammability limits	Not applicable.
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.999 (H ₂ O = 1 @ 20 °C)
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data available.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition. Keep in a cool place away from children and pets.
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10.5. Incompatible materials

	No data available.
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10.6. Hazardous decomposition products

	Carbon oxides.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	May be harmful by ingestion, inhalation or if absorbed through the skin. Do not use on cats.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.

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11.1. Information on toxicological effects

Reproductive toxicity	No teratogenic effects reported.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

Pyrethrins	Oral Rat LD50: 87 mg/kg	Inhalation Rat LC50/4 h: 0.6 mg/l
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SECTION 12: Ecological information

12.1. Toxicity

Pyrethrins	Daphnia EC50/48h: 0.216000 mg/l Rainbow trout LC50/96h: 0.244 mg/l	Algae EC50/72h: 4.9 mg/l
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12.2. Persistence and degradability

	Insoluble in water.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	Prozap® Fly-Die Equine Spray No data available
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12.6. Other adverse effects

	May cause long-term adverse effects in the environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Do not contaminate water by cleaning of equipment or disposal of wastes. Dispose of contents/container to an approved waste disposal facility. Follow label instructions.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Pyrethrins, Permethrin, Piperonyl butoxide</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Pyrethrins, Permethrin, Piperonyl butoxide.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Pyrethrins, Permethrin, Piperonyl butoxide.</p>
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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Pyrethrins	N	N	N	N	N	N	Y	N	N
Permethrin (ISO)	N	Y	Y 1.0	N	N	N	N	N	N

Further information

FIFRA	This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
FIFRA Signal Word	CAUTION.
FIFRA Warning	Hazards to humans and domestic animals. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

SECTION 16: Other information

Other information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF</p>
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Other information

<p>Text of Hazard Statements in Section 3</p>	<p>PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> <hr/> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Flam. Liq. 4: H227 - Combustible liquid. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Acute 3: H402 - Harmful to aquatic life. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H332 - Harmful if inhaled.</p>
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